

DOCKET NO.: H0498.70130US01

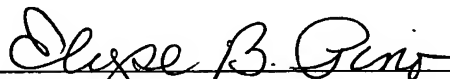
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Tao Deng et al.
Serial No: 10/763,819
Confirmation. No.: Not yet assigned
Filed: January 23, 2004
For: FABRICATION OF METALLIC MICROSTRUCTURES VIA
EXPOSURE OF PHOTSENSITIVE COMPOSITION

Examiner: Not yet assigned
Art Unit: Not yet assigned

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the 20th day of April, 2004.


Elyse B. Finn

Commissioner For Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Transmitted herewith are the following documents:

- ☒ Information Disclosure Statement
- ☒ PTO Form 1449 with cited references
- ☒ Return Receipt Postcard

If the enclosed papers are considered incomplete, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned at (617) 720-3500, Boston, Massachusetts.

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A check is not enclosed. If a fee is required, the Commissioner is hereby authorized to charge Deposit Account No. 23/2825. A duplicate of this sheet is enclosed.

Respectfully submitted,
Tao Deng et al., Applicants

By: 

Stephen R. Finch, Reg. No.: 42,534
Timothy J. Oyer, Ph.D., Reg. No.: 36,628
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Docket No. H0498.70130US01
Date: 04/20/04
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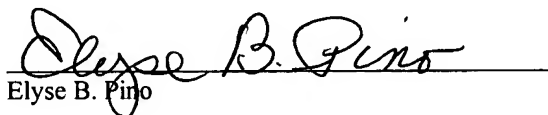
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Elyse B. Pino

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

STATEMENT FILED PURSUANT TO THE DUTY OF
DISCLOSURE UNDER 37 CFR §§1.56, 1.97 AND 1.98

Sir:

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, the Applicant requests consideration of this Information Disclosure Statement.

PART I: Compliance with 37 C.F.R. §1.97

A. This Information Disclosure Statement has been filed within three months of the filing date of a National Application other than a continued prosecution application under 37 C.F.R. §1.53(d) and before the mailing date of a first Office Action on the merits in the above-identified case.

No fee or certification is required.

PART II: Information Cited

A. The Applicant hereby makes of record in the above-identified application the information listed on the attached form PTO-1449 (modified). The order of presentation of the references should not be construed as an indication of the importance of the references.

B. The Applicant hereby makes the following additional information of record in the above-identified application.

The Applicant would like to bring to the Examiner's attention the enclosed search report from International Application No. PCT/US01/00366.

PART V: Remarks

Documents cited anywhere in the Information Disclosure Statement are enclosed unless otherwise indicated. It is respectfully requested that:

1. The Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims;
2. The enclosed form PTO-1449 be signed by the Examiner to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application;
3. The citations for the information be printed on any patent which issues from this application.

By submitting this Information Disclosure Statement, the Applicant makes no representation that a search has been performed, of the extent of any search performed, or that more relevant information does not exist.

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, in fact, prior art as defined by 35 U.S.C. §102.

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Art Unit: Not yet assigned

Notwithstanding any statements by the Applicant, the Examiner is urged to form his own conclusion regarding the relevance of the cited information.

An early and favorable action is hereby requested.

Respectfully submitted,
Tao Deng et al., *Applicants*

By: 

Stephen R. Finch, Reg. No. 42,534
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Telephone: (617) 720-3500

Docket No. H0498.70130US01

Date: 04/26/04

XNDDX

FORM PTO-1449/A and B (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT				APPLICATION NO.: 10/763,819		ATTY. DOCKET NO.: H0498.70130US01	
				FILING DATE: January 23, 2004		CONFIRMATION NO.: Not yet assigned	
				APPLICANT: Tao Deng et al.			
				GROUP ART UNIT: Not yet assigned		EXAMINER: Not yet assigned	
Sheet	1	of	2				

U.S. PATENT DOCUMENTS

Examiner's Initials#	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM-DD-YYY
		Number	Kind Code		
	*A1	3,574,933	B1	Cassingham	04/13/71
	*A2	3,615,483	B1	Jonker et al.	10/26/71
	*A3	3,622,322	B1	Brill	11/23/71
	*A4	3,655,383	B1	Shepard et al.	04/11/72
	*A5	3,671,754	B1	Mundkur	06/20/72
	*A6	3,677,644	B1	Harris	07/18/72
	*A7	3,772,078	B1	Polichette et al.	11/13/73
	*A8	3,779,761	B1	Dustin	12/18/73
	*A9	3,880,726		Sakaki	04-1975
	*A10	3,900,614	B1	Lando	08/19/75
	*A11	4,059,445	B1	Sato	11/22/77
	*A12	4,104,111	B1	Mack	08/01/78
	*A13	4,133,908	B1	Madsen	01/09/79
	*A14	4,260,677	B1	Winslow et al.	04/07/81
	*A15	4,311,381	B1	Nettesheim et al.	01/19/82
	*A16	4,390,612	B1	Rutledge	06/28/83
	*A17	4,511,641	B1	Busman et al.	04/16/85
	*A18	4,560,643	B1	Finter et al.	12/24/85
	*A19	4,603,100	B1	Boston	07/29/86
	*A20	4,666,818	B1	Lake et al.	05/19/87
	*A21	4,871,671	B1	Errede et al.	10/03/89
	*A22	4,873,170	B1	Nishinoiri et al.	10/10/89
	*A23	4,910,118	B1	Adair et al.	03/20/90
	*A24	5,208,126	B1	Tachikawa et al.	05/04/93
	*A25	5,352,651	B1	Debe et al.	10/04/94
	*A26	5,443,713	B1	Hindman	08/22/95
	*A27	5,468,603	B1	Kub	11/21/95
	*A28	5,512,162	B1	Sachs et al.	04/30/96
	*A29	5,576,074	B1	Weigel et al.	11/19/96
	*A30	5,576,135	B1	Nishikawa	11/19/96
	*A31	5,589,307	B1	Takeuchi	12/31/96
	*A32	5,595,637	B1	Tench et al.	01/21/97
	*A33	5,681,441	B1	Svendsen et al.	10/28/97
	*A34	5,919,402	B1	Murphy et al.	07/06/99
	*A35	6,020,862	B1	Newton et al.	02/01/00
	A36	6,706,165	B2	Deng et al.	03-16-2004



FORM PTO-1449/A and B (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT				APPLICATION NO.: 09/755,645	ATTY. DOCKET NO.: H0498/7130
				FILING DATE: January 5, 2001	
				APPLICANT: Tao Deng et al.	
				GROUP ART UNIT: Not Yet Assigned	EXAMINER: Not Yet Assigned
Sheet	2	of	2		

FOREIGN PATENT DOCUMENTS

Examiner's Initials#	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document (not necessary)	Date of Publication of Cited Document MM-DD-YYYY	Translation (Y/N)
		Office/Country	Number	Kind Code			
	*A3	DD	153 950	A	Gesemann et al.	10.02.82	Y (Abstract)
	*A3	EP	0 057 268	A2	International Business Machines Corp.	11.08.82	
	*A3	GB	2 150 596	A	P A Consulting Services Limited	03.07.85	
	*A4	JP	04099342	A	Matshushita Electric Ind. Co. Ltd.	31.03.92	Y (Abstract)
	*A4	JP	07221418	A	Furukawa Electric Co. Ltd.	18.08.95	Y (Abstract)

OTHER ART — NON PATENT LITERATURE DOCUMENTS

Examiner's Initials#	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
	*A42	International Search Report Application No. PCT/US 01/00366 dated 03.09.01	
	*A43	KELLER, K. "Science and Technology of Photography," VCH: Weinheim, German, 1993	
	*A44	BJELKHAGEN, H.I., "Silver-Halide Recording Materials for Holography and Their Processing," Springer-Verlag: New York, 1995	
	*A45	ZHANG, Y. et al., "Electroless Copper Deposition in the Photographic Gelatin Layer," <i>Journal of the Electrochemical Society</i> , 146 (4), 1270-1272, 1999	
	*A46	LIDE, D.R., "CRC Handbook of Chemistry and Physics," CRC Press, New York, 1999	
	*A47	XIA, Y. et al. "Soft Lithography," <i>Agnew. Chem. Int. Ed.</i> , 1998, 37, p. 550-575	
	*A48	XU, B. et al. "Making Negative Poisson's Ratio Microstructures by Soft Lithography," <i>Adv. Materials</i> in Press 1999	
	*A49	KIRK-OTHMER Encyclopedia of Chemical Technology, 4 th Edition, 1999, p. 1541	
	A50	DENG, T., et al., "Fabrication of Metallic Microstructure Using Exposed, Developed Silver Halide-Based Photographic Film," <i>Anal Chem.</i> 2000, 72, 645-651	

EXAMINER	DATE CONSIDERED
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#EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

*a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. 09/755,645, filed January 5, 2001, and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications).